ABSTRACT OF THE DISCLOSURE

An image information detection sensor includes a light-emitting element, a light-emitting pinhole which focuses light from the light-emitting element as detection light into a toner image detection region without using any lens, a light-receiving pinhole which transmits detection light reflected in the toner image detection region, and a light-receiving element which receives detection light having passed through the light-receiving pinhole. The spot diameter of an LED is reduced by minimizing the hole diameter of the light-emitting pinhole as far as a sufficient detection level can be obtained. The hole diameter of the light-receiving pinhole is set larger than that on the light-emitting side so as to receive a larger quantity of regularly reflected light, and if possible, all light.